

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: ) GROUP ART UNIT: N/A  
INVENTOR: C.David Young et al. ) EXAMINER: N/A  
SERIAL NO.: ) DOCKET REF.: 03CR081/KE  
FILED: Herewith ) SUBMITTED: October 20, 2003

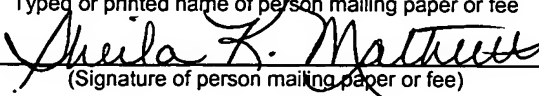
FOR: "HEURISTICS FOR COMBINING INTER-CHANNEL AND INTRA-CHANNEL COMMUNICATIONS IN A WIRELESS COMMUNICATIONS ENVIRONMENT"

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. §1.56, the references listed below and on the attached for PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents, other than non-U.S. Patents and Published U.S. Applications, are enclosed.

Express Mail Mailing Label	EV228572065 US
Date of Deposit	October 20, 2003
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents , Box Patent Application, Washington, D.C. 20231.	
Sheila K. Mathews	
Typed or printed name of person mailing paper or fee	
	
(Signature of person mailing paper or fee)	

## English-Language Documents

U.S. Patent No.	Inventor	Issue Date (Month/Year)
6,331,973	Young et al.	12/2001
6,094,429	Blanchette et al.	07/2000
6,324,184	Hou et al.	11/2001
5,625,629	Wenk	04/1997
6,310,867	Tat et al.	10/2001
5,949,760	Stevens et al.	09/1999
5,742,593	Sharony et al.	04/1998
6,252,868	Diachina et al.	06/2001
6,275,506	Fazel et al.	08/2001
5,748,362	Delacourt et al.	05/1998
6,317,436	Young et al.	11/2001
5,953,344	Dail et al.	05/2001
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5,568,477	Galand et al.	10/1996
5,652,751	Sharony	07/1997
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5,581,548	Ugland et al.	12/1996
5,506,848	Drakopolous et al.	04/1996
6,304,559	Jacklin et al.	12/2001
5,117,422	Hauptschein et al.	05/1992
5,425,609	Ofek et al.	09/1993
5,448,698	Wilkes	09/1995
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U.S. Published Patent Application No.  
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Inventors  
Morris et al.  
Amouris

Publication Date  
04/2002  
05/2001

Other English Language Documents:

Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol," Proc. IEEE MILCOM 1996, Vol. 1, October 1996.

L. Pond and V. Li, "Bridging the Gap Interoperability, Survivability, Security," 1989 IEEE MILCOM, Conference Record, Volume 1 of 3.

Bittle, Caples, Young, "Soldier Phone: An Innovative Approach to Wireless Multimedia Communications," 1998 IEEE MILCOM, Volume 3.

IEEE Transaction on Information Theory, Vol. IT-30, No. 4, July 1984.

Sunlin, "A Hybrid Distributed Slot Assignment TDMA Channel Access Protocol," IEEE Military Communications Conference, 1990, Volume 3 of 3.

Young and Stevens, "Clique Activation Multiple Access (CAMA): A Distributed Heuristic for Building Wireless Datagram Networks," IEEE Military Communications Conference 1998, Volume 1.

Ju et al. "An Optimal Topology-Transport Scheduling Method in Multihop Packet Radio Networks." IEEE/ACM Transactions on Networking. June 1998. Pages 298-306.

Chakraborty et al. "Generic Algorithm for Broadcast Scheduling in Packet Radio Networks," Evolutionary Computation Proceedings, 1998. IEEE World Congress on Computational Intelligence. 4-9 May 1998. Pages 183-188.

Pond et al. "A Distributed Time-Slot Assignment Protocol for Mobile Multi-Hop Broadcast Packet Radio Networks," IEEE MILCOM, 1989. 15-18 October 1989. Pages 70-74.

Chou et al. "Slot Allocation Strategies for TDMA Protocols in Multihop Packet Radio Network." Eleventh Annual Joint Conference of the IEEE Computer and Communications Societies. 4-8 May 1992. Pages 710-716.

Oono et al. "Dynamic Slot Allocation Technology for Mobile Multi-Media TDMA Systems Using Distributed Control Scheme," IEEE. 12-16 Oct 1997. Pages 74-78.

U.S. Patent Application Serial No. 09/650,332, "Scheduling Techniques for Receiver Directed Broadcast Applications," filed August 29, 2000, C. David Young.

U.S. Patent Application Serial No. 09/562,549, "Efficient Grouping of Control and User Data," filed May 2, 2000, J.A. Stevens et al.

U.S. Patent Application Serial No. 09/303,802, "Clique Activation Multiple Access," filed April 30, 1999, C. D. Young et al.

U.S. Patent Application Serial No. 09/649,666, "Full Duplex Communication Slot Assignment," filed August 29, 2000, C. David Young.

U.S. Patent Application Serial No. 09/422,498, "Method and Apparatus for Managing Communication Resources Using Dynamic and Static Assignment of Communication Slots," filed October 21, 1999, C. David Young.

U.S. Patent Application Serial No. 09/340,881, "A Method and Apparatus for Managing Communication Resources Using Frame Fitting," filed June 28, 1999, C. David Young.

U.S. Patent Application Serial No. 09/649,802, "Maintaining an Adaptive Broadcast Channel Using Both Transmitter Directed and Receiver Directed Broadcast," filed August 29, 2000, C. David Young.

U.S. Patent Application Serial No. 09/552,144, "Method and Apparatus for Assigning Receive Slots in a Dynamic Assignment Environment," filed April 19, 2000, C. D. Young. et al.

#### Foreign Documents

None

This disclosure statement should not be construed as a representation that a search has been completed or that no other material information as defined in 37 C.F.R. §1.56(a) exists.

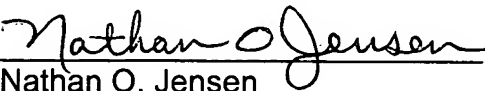
It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §609. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

Some of the documents may have markings thereon. No significance is meant to the attached markings.

These documents are not necessarily analogous art.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,

A handwritten signature in cursive script that reads "Nathan O. Jensen". The signature is written in dark ink and is positioned above a horizontal line.

Nathan O. Jensen  
Attorney of Record  
Reg. No. 41,460

ROCKWELL COLLINS, INC.  
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400 Collins Road NE M/S 124-323  
Cedar Rapids, IA 52498  
Telephone: (319) 295-1184  
Facsimile No. (319) 295-8777

<b>INFORMATION DISCLOSURE</b>  <b>CITATION</b>			Attorney Dock t No. 03CR081/KE		Serial Number	
			Applicant Young et al.			
			Filing Date Herewith		Group	
<b>U. S. PATENTS</b>						
Exmnr Initl	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	6,331,973	12-2001	Young et al.	370	337	
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	6,324,184	11-2001	Hou et al.	340	7.43	
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	6,031,827	02-2000	Rikkinen et al.	370	330	
	4,763,322	08-1988	Eizenhofer	370	337	
	6,157,656	12-2000	Lindgren et al.	370	458	
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	Document No.	Date	Country	Class	Subclass	Translation Yes      No
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	Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol," Proc. IEEE MILCOM 1996, Vol. 1, October 1996					
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	5,448,698	09-1995	Wilkes	395	200.01	
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	2002/0046381 A1	04-2002	Morris et al.	714	752	
	2002/0001294 A1	05-2001	Amouris	370	337	
<b>Other Documents</b>						
	U.S. Patent Application Serial No. 09/649,666, "Full Duplex Communication Slot Assignment," filed August 29, 2000, C. David Young.					
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	U.S. Patent Application Serial No. 09/649,665, "Data Communication Techniques for Real Time Data Transmission," filed August 29, 2000, T. Golubiewski et al.					
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